

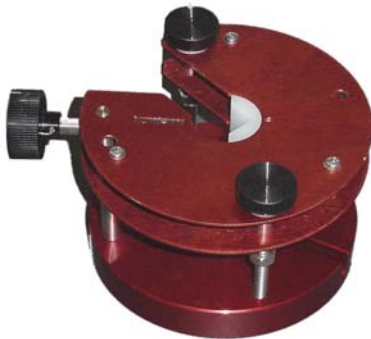


Wind Sensor Calibration

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Wind Direction Calibrator

The Model 1249-A Wind Direction Calibrator is a mechanical device used to calibrate systems which include Micro Response or Low Threshold wind vanes (such as the Model 2020). It mounts directly on the vane and has three possible uses. First, it can be used to position the vane at four points, exactly 90° apart, to check the readings of output devices. Second, it can be used in sigma system calibration to give a direction change of exactly 90°. Third, it can be used to hold the vane tail in place during orientation to north.



Wind Speed Calibration

The purpose of the wind speed calibrator is to simulate a known wind speed condition in order to calibrate or evaluate the anemometer for its proper output. The calibrator attaches to the shaft of the anemometer through the use of neoprene tubing. The calibrator rotates the shaft at a constant RPM which corresponds to a known wind speed value that has been determined through wind tunnel testing.

The calibrators employ constant speed synchronous motors whose rotation rate changes as a function of the AC line frequency. Two models are available. The Model 1231 operates at 1800 RPM while the Model 1232 operates at 1200 RPM.

The calibration devices listed on this specification sheet are designed for use with the Model 2020 Tail Vane and the Model 2030 or 2031 Anemometers.

CALIBRATION

ORDERING INFORMATION

Part Number	Description
1249-A	Wind Direction Calibrator
1231	Wind Speed Calibrator (1800 RPM)
1232	Wind Speed Calibrator (1200 RPM)



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